Ok to Enter

01/15/2010 Appl. No. 10/075,786

Amdt, dated January 7, 2010

Reply to Office Action dated August 4, 2009

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

A protective sleeve for lengths of material such as electrical cable, 1 (currently amended).

hoses, ropes, hydraulic lines, tethers, and lanyards used in environments such as airports, docks,

and construction sites in which said lengths of material are moved back and forth across abrasive

surfaces and subjected to abrasion, chemicals, moisture, and weather extremes, said protective

sleeve encasing said length of material, having open ends and formed of an elongated sheet

consisting of a woven, lightweight fabric, with a thermoplastic film bonded to at least one side

thereof, the fabric being made substantially of varns formed primarily of long chain polyethylene

fibers having a tensile modulus equal to or greater than 150 grams/denier, and a tenacity equal to

or greater than 20 grams/denier, the yarns having a denier between 400 and 1000, the fabric

having a warp and fill density of between 30 and 36 ends per inch, and the thermoplastic film

selected from the group consisting of polyethylene and ethylene vinyl acetate, wherein the

protective sleeve not only protects the lengths of material thereunder, but the fabric yarns

themselves are resistant to deterioration from chemicals, fuels, and the like, as well as being

highly resistant to abrasion, cuts, and the fabric of the sleeve is resistant to heat build-up as a

result of relative movement between the sleeve and the length of material.

The protective sleeve of Claim 1 wherein said fabric is formed 2 (previously presented).

from yarns containing at least 70 percent high performance yarns long chain polyethylene fibers.

3 (previously presented). The protective sleeve of Claim 1 wherein said fabric has a weight of between about 5 and 8 ounces per square yard.

- 4 (canceled).
- 5 (canceled).
- 6 (canceled).
- 7 (canceled).

8 (previously presented). The protective sleeve of Claim 1 wherein said sleeve is formed as an elongated sheet having opposed longitudinal edges, said opposed longitudinal edges including means releasably attaching said opposed longitudinal edges together around the length of said material.

9 (previously presented). The protective sleeve of Claim 8 wherein said means for fastening said opposed longitudinal edges comprises hook and loop material.

10 (previously presented). The protective sleeve of Claim 1 wherein said sleeve is formed as a plurality of bands, each band comprising a short length of said fabric, said bands being spaced apart along the length of said material.

Appl. No. 10/075,786 Amdt. dated January 7, 2010

Reply to Office Action dated August 4, 2009

11 (previously presented). The protective sleeve of Claim 10 wherein each of said bands is

formed as a short length of fabric having opposed longitudinal edges, said opposed longitudinal

edges including means for fastening said opposed longitudinal edges together around the length

of said material.

12 (previously presented). The protective sleeve of Claim 11 wherein said means for

fastening said opposed longitudinal edges comprises hook and loop material.

13 (previously presented). The protective sleeve of Claim 1 further including a hood formed

of the same fabric as said sleeve and fastened to at least one end of said sleeve for protecting an

exposed end of said length of material.

14-26 (cancelled).

Appl. No. 10/075,786 Amdt. dated January 7, 2010

Reply to Office Action dated August 4, 2009

27 (currently amended). An abrasion-resistant, cut-resistant, and tear-resistant protective

cover system for airports, docks, and construction sites comprising:

(a) a length of material selected from the group consisting of electrical cables, hoses,

ropes, hydraulic lines, tethers, and lanyards that must be periodically moved or

pulled across abrasive surfaces and subjected to chemicals, moisture, and weather

conditions; and

(b) a protective sleeve having open ends and encasing said length of material and

formed of an elongated sheet consisting of a lightweight, woven fabric and a

thermoplastic film bonded to at least one side thereof, the fabric made substantially of

yarns formed primarily of long chain polyethylene fibers having a tensile modulus equal

to or greater than 150 grams/denier and a tenacity equal to or greater than 20

grams/denier, the yarns having a denier between 400 and 1000, the fabric having a warp

and fill density of between 30 and 36 ends per inch, and the thermoplastic film selected

from the group consisting of polyethylene film and ethylene vinyl acetate, wherein said

protective sleeve not only protects the lengths of material thereunder, but the fabric yarns

themselves are resistant to deterioration from chemicals, fuels, and the like, as well as

being highly resistant to abrasion, and the fabric of the sleeve is moisture-resistant, fuel-

resistant, oil-resistant, abrasion-resistant, cut-resistant, tear-resistant, and resistant to heat

build-up as a result of relative movement between the sleeve and the length of material.

28 (previously presented). 
The system of Claim 27 wherein said fabric is formed from yarns

containing at least 70 percent long chain polyethylene fibers.

between about 5 and 8 ounces per square yard.

30 (cancelled).

31 (cancelled).

32 (cancelled).

33 (cancelled).

34 (previously presented). The system of Claim 27 wherein said sleeve is formed as an

elongated sheet having opposed longitudinal edges, said opposed longitudinal edges including

means for releasably attaching said opposed longitudinal edges together around the length of said

material.

35 (previously presented). The system of Claim 34 further including means for securing said

open ends of the sleeve to said length of material.

36 (previously presented). The system of Claim 27 wherein said sleeve is formed as a

plurality of bands, each band comprising a short length of said fabric, said bands being spaced

apart along the length of a material to be protected.

Appl. No. 10/075,786 Amdt. dated January 7, 2010

Reply to Office Action dated August 4, 2009

37 (previously presented). The system of Claim 36 wherein each of said bands is formed as a

short length of fabric having opposed longitudinal edges, said opposed longitudinal edges

including means for fastening said opposed longitudinal edges together around the length of a

material to be protected.

38 (previously presented). The system of Claim 37 wherein said means for fastening said

opposed longitudinal edges comprises hook and loop material.

39 (previously presented). The system of Claim 27 further including a hood formed of the

same fabric as said sleeve and fastened to at least one end of said sleeve for protecting an

exposed end of said length of material.

40 (cancelled).